1st and Final bill

Name of work: Construction of cc roads and drains at kanakanagara in ward no-04

Work Order No: EE (Project) YNK Zone/ W.o/ 89 /2017-18 dt: 27-12-2017.

JOB NUMBER: 004-18-000005

Estimate Cost: 50.00 lakhs

As No: BBMP / EE / Project/YNK.Z/AA/64/2017-18 dt :8-11-2017.

Ts No : BBMP / CE/YNK.Z/TS/366/2017-18 dt 10-11-2017.

Name of Contractor : Sri G Venkategowda.

PRE - MEASUREMENTS

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 1.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 (Page No142., I.No.19.1 of KPWD S.R 2016-17).	Cum.							
	levelling and lowering				AV				
	for cc road								
	kanakanagara near samudyabhavana		1	11.30	(4.3+4.8)/2	0.30	15.42		
			1	18.00	(2.6+3.0)/2	0.20	10.08		
	inside school premises		1	17.00	(7.2+7.2)/2	0.23	28.15		
			1	13.00	(10.3+10.3)/2	0.30	40.17		
			1	6.90	(1.9+1.9)/2	0.30	3.93		
			1	4.30	(2.6+2.6)/2	0.23	2.57		
			1	2.30	(1.2+1.2)/2	0.30	0.83		
							101.16		
2	KSRB 2-2.1 : Earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2.1(a) / 2.3.5, No.5/Item No. 2.3)	cum							
	for RCC drain								
	right side		1	23.60	1.20	1.00	28.32		

Measurements Recorded on 16/01/18

Ramanjeenaik 16/01/18

Asst. Executive Engineer
Project Division,
Yelahanka Zone
Bangalore

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
			1	8.00	1.20	1.00	9.60		
			1	7.00	1.20	1.00	8.40		
			1	6.00	1.20	1.00	7.20		
			1	7.60	1.20	1.00	9.12		
			1	8.30	1.20	1.00	9.96		
			1	9.70	1.00	1.00	9.70		
			1	8.20	1.00	1.00	8.20		
			1	9.60	1.00	1.00	9.60		
			1	7.00	1.00	1.00	7.00		
			1	26.00	1.00	1.00	26.00		
	left side								
			1	18.00	1.20	1.00	21.60		
			1	17.00	1.20	1.00	20.40		
			1	30.00	1.20	1.00	36.00		
			1	6.00	1.20	1.00	7.20		
			1	30.00	1.20	1.00	36.00		
			1	30.00	1.00	1.00	30.00		
			1	29.00	1.00	1.00	29.00		
			1	30.00	1.00	1.00	30.00		
			1	30.00	1.00	1.00	30.00		
			1	17.00	1.00	1.00	17.00		
							390.30		
4	KSRRB M300-53: construction of embankment with approved material gravel/murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement table 300-2 complete as per specifications. (which includes cost of gravel/murrum, watering charges & compaction by vibratory roller) MORTH specification Page No. 305.4.3, No. 156/ Item No. 19.60/ PWD SR 2016-17	cum							
					AV				
	for cc road								
	kanakanagara near samudyabhavana		1	11.30	(4.3+4.8)/2	0.40	20.57		
			1	18.00	(2.6+3.0)/2	0.23	11.59		
	inside school premises		1	17.00	(7.2+7.2)/2	0.30	36.72		
			1	13.00	(10.3+10.3)/2	0.30	40.17		
			1	6.90	(1.9+1.9)/2	0.40	5.24		
			1	4.30	(2.6+2.6)/2	0.40	4.47		
			1	2.30	(1.2+1.2)/2	0.30	0.83		
							119.59		
	Deduction 15% sinkage					-	**17.94**		
	Net Qty						**101.65**		

Ramanjeenaik
18/01/18

Asst. Executive Engineer
Project Division,
Yelahanka Zone
Bangalore
18/1/18

Ramanjeenaik AE
22/01/18

Asst. Executive Engineer
Project Division,
Yelahanka Zone
22/1/18

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
5	KSRRB M400- Wet Mix Macadam - KSRRB M400-17. **Providing, laying, spreading and compacting graded stones aggregate to wet mix** macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406 (P.No.158 I.No.20.18)	cum							
					AV				
	kanakanagara near samudyabhavana		1	11.30	(4.3+4.8)/2	0.20	10.28		
			1	18.00	(2.6+3.0)/2	0.20	10.08		
	inside school premises		1	17.00	(7.2+7.2)/2	0.20	24.48		
			1	13.00	(10.3+10.3)/2	0.20	26.78		
			1	6.90	(1.9+1.9)/2	0.20	2.62		
			1	4.30	(2.6+2.6)/2	0.20	2.24		
			1	2.30	(1.2+1.2)/2	0.20	0.55		
	drain edge								
	right side								
			1	23.60	0.90	0.10	2.12		
			1	8.00	0.90	0.10	0.72		
			1	7.00	0.90	0.10	0.63		
			1	6.00	0.90	0.10	0.54		
			1	7.60	0.75	0.15	0.86		
			1	8.30	0.90	0.10	0.72		
			1	9.70	0.90	0.10	0.87		
			1	8.20	0.90	0.15	1.11		
			1	9.60	0.90	0.10	0.86		
			1	7.00	0.90	0.10	0.63		
	left side								
			1	18.00	0.90	0.10	1.62		
			1	17.00	0.90	0.10	1.53		
			1	30.00	0.90	0.10	2.70		
			1	6.00	0.90	0.10	0.54		
			1	30.00	0.90	0.10	2.70		
			1	30.00	0.90	0.15	4.05		
			1	29.00	0.90	0.10	2.61		
							101.85		
							101.85		

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25/01/18

Asst. Executive Engineer
Project Division,
Yelahanka Zone
Bangalore

25/1/18

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
6	KSRB 4-1.2: Providing and laying in position plain cement concrete of mix **1:3:6 with OPC cement** @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.892cum and fine aggregates @ 0.465cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No.KBS 4.1, 4.2 (P.12/I.4.2)/ PWD SR 2016-17	Cum							
	for RCC drain								
	right side								
			1	23.60	1.20	0.15	4.25		
			1	8.00	1.20	0.15	1.44		
			1	7.00	1.20	0.15	1.26		
			1	6.00	1.20	0.15	1.08		
			1	7.60	1.20	0.15	1.37		
			1	8.30	1.20	0.15	1.49		
			1	9.70	1.20	0.15	1.75		
			1	8.20	1.20	0.15	1.48		
			1	9.60	1.20	0.15	1.73		
			1	7.00	1.20	0.15	1.26		
			1	26.00	1.20	0.15	4.68		
	left side								
			1	18.00	1.20	0.15	3.24		
			1	17.00	1.20	0.15	3.06		
			1	30.00	1.20	0.15	5.40		
			1	6.00	1.20	0.15	1.08		
			1	30.00	1.20	0.15	5.40		
			1	30.00	1.20	0.15	5.40		
			1	29.00	1.20	0.15	5.22		
			1	30.00	1.20	0.15	5.40		
			1	30.00	1.20	0.15	5.40		
			1	17.00	1.20	0.15	3.06		
	cc road								
	kanakanagara near samudyabhavana		1	11.30	(4.3+4.8)/2	0.15	7.71		
			1	18.00	(2.6+3.0)/2	0.15	7.56		
	inside school premises		1	17.00	(7.2+7.2)/2	0.15	18.36		
			1	13.00	(10.3+10.3)/2	0.15	20.09		
			1	6.90	(1.9+1.9)/2	0.15	1.97		
			1	4.30	(2.6+2.6)/2	0.15	1.68		
			1	2.30	(1.2+1.2)/2	0.15	0.41		
	drain edge								
	right side								
			1	23.60	0.90	0.15	3.19		
			1	8.00	0.90	0.15	1.08		
			1	7.00	0.90	0.20	1.26		

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
			1	6.00	0.90	0.15	0.81		
			1	7.60	0.75	0.15	0.86		
			1	8.30	0.90	0.15	1.12		
			1	9.70	0.90	0.15	1.31		
			1	8.20	0.90	0.15	1.11		
			1	9.60	0.90	0.15	1.30		
			1	7.00	0.90	0.15	0.95		
	left side								
			1	18.00	0.90	0.10	1.62		
			1	17.00	0.90	0.12	1.84		
			1	30.00	0.90	0.10	2.70		
			1	6.00	0.90	0.10	0.54		
			1	30.00	0.90	0.10	2.70		
			1	30.00	0.90	0.10	2.70		
			1	29.00	0.90	0.10	2.61		
	culvert approach		1	9.00	(8.4+5.0)/2	0.10	6.03		
			1	8.00	(8.0+8.0)/2	0.10	6.40		
							162.32		
8	KSRB 4.9.2:providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 Page No. 17/ Item No. 4.46/ PWD SR 2016-17	Quintal							
	for RCC drain								
	10mm dia U shap bar at 200mm c/c								
	Length = 23.60 Mtr = 118+1=119 Nos								
	Each u shape bar length = 2.50 mt	10mm dia	119	3.25			386.75		
		10mm dia	118	3.25			383.50		
	8mm dia Distrubution bar at 125 mm c/c								
		8mm dia	26	23.55			612.30		
		8mm dia	25	23.55			588.75		
	10mm dia U shap bar at 200mm c/c								
	Length =8.00 Mtr = 40+1=41 Nos								
	Each u shape bar length = 2.50 mt	10mm dia	41	3.25			133.25		
		10mm dia	40	3.25			130.00		

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31/01/18

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	8mm dia Distrubution bar at 125 mm c/c								
		8mm dia	26	7.95			206.70		
		8mm dia	25	7.95			198.75		
	10mm dia U shap bar at 200mm c/c								
	Length =7.00 Mtr = 35+1=36 Nos								
	Each u shape bar length = 2.50 mt	10mm dia	36	3.25			117.00		
		10mm dia	35	3.25			113.75		
	8mm dia Distrubution bar at 125 mm c/c								
		8mm dia	26	6.95			180.70		
		8mm dia	25	6.95			173.75		
	10mm dia U shap bar at 200mm c/c								
	Length =6.00 Mtr = 30+1=31 Nos								
	Each u shape bar length = 2.50 mt	10mm dia	31	3.25			100.75		
		10mm dia	30	3.25			97.50		
	8mm dia Distrubution bar at 125 mm c/c								
		8mm dia	26	5.95			154.70		
		8mm dia	25	6.95			173.75		
	10mm dia U shap bar at 200mm c/c								
	Length =8.30 Mtr = 42+1=43 Nos								
	Each u shape bar length = 2.50 mt	10mm dia	43	3.25			139.75		
		10mm dia	42	3.25			136.50		
	8mm dia Distrubution bar at 125 mm c/c								
		8mm dia	26	8.25			214.50		
		8mm dia	25	8.25			206.25		
	10mm dia U shap bar at 200mm c/c								
	Length =9.70 Mtr = 49+1=50 Nos								
	Each u shape bar length = 2.50 mt	10mm dia	50	3.25			162.50		
		10mm dia	49	3.25			159.25		
	8mm dia Distrubution bar at 125 mm c/c								
		8mm dia	26	9.65			250.90		
		8mm dia	25	9.65			241.25		
	10mm dia U shap bar at 200mm c/c								
	Length =50.80 Mtr = 254+1=255 Nos								

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Each u shape bar length = 2.50 mt	10mm dia	255	3.25			828.75		
		10mm dia	254	3.25			825.50		
	8mm dia Distrubution bar at 125 mm c/c								
		8mm dia	26	50.75			1319.50		
		8mm dia	25	50.75			1268.75		
	10mm dia U shap bar at 200mm c/c								
	Length = 7.60 Mtr = 38+1=39 Nos								
	Each u shape bar length = 2.50 mt	10mm dia	39	3.25			126.75		
		10mm dia	38	3.25			123.50		
	8mm dia Distrubution bar at 125 mm c/c								
		8mm dia	26	7.55			196.30		
		8mm dia	25	7.55			188.75		
	10mm dia U shap bar at 200mm c/c								
	Length = 160 Mtr = 800+1=801 Nos								
	Each u shape bar length = 2.50 mt	10mm dia	850	3.25			2762.50		
		10mm dia	835	3.25			2713.75		
	8mm dia Distrubution bar at 125 mm c/c								
		8mm dia	26	159.95			4158.70		
		8mm dia	25	159.95			3998.75		
	ABSTRACT								
	12mm dia bar	0.00	0.888	0.00					
	10mm dia bar	9441.25	0.617	5825.25					
	8mm dia bar	14333.05	0.395	5661.55					
				11486.81					
							11486.81		
				Qtl			114.868		

Ramanjaiah AE 3/02/18

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore
3/2/18